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## Amendments to the Claims:

Please cancel Claims 145, 151, 152 and 154.

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Claim Listing:

1-139. (Canceled)

140. (Currently Amended) A method for treating a patient in need of epinephrine, the method comprising:

administering an effective amount of spray-dried particles from a dry powder inhaler to the respiratory system of the patient in a single, breath-activated step, the particles comprising:

- (a) epinephrine, or a salt thereof; and
- (b) at least one pharmaceutically acceptable excipient;

wherein the effective amount of particles administered to the patient comprise at least about 50 micrograms of epinephrine, have a tap density of less than 0.4 g/cm<sup>3</sup> and possess a fine particle fraction of less than 5.6 microns of at least about 45 percent.

- 141. (Previously Presented) The method of Claim 140, wherein the epinephrine, or salt thereof, is present in the particles in an amount ranging from about 1 to about 95 weight percent.
- 142. (Previously Presented) The method of Claim 141, wherein the epinephrine, or salt thereof, is present in the particles in an amount ranging from about 1 to about 45 weight percent.
- 143. (Previously Presented) The method of Claim 142, wherein the epinephrine, or salt thereof, is present in the particles in an amount ranging from about 1 to about 30 weight percent.
- 144. (Previously Presented) The method of Claim 140, wherein the particles are aerodynamically light.
- 145. (Canceled)

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- 146. (Previously Presented) The method of Claim 140, wherein the particles are amorphous.
- 147. (Previously Presented) The method of Claim 140, wherein the epinephrine, or salt thereof, contained in the particles is amorphous.
- 148. (Previously Presented) The method of Claim 140, wherein the epinephrine, or salt thereof, contained in the particles is crystalline.
- 149. (Previously Presented) The method of Claim 140, wherein the pharmaceutically acceptable excipient contained in the particles is amorphous.
- 150. (Previously Presented) The method of Claim 140, wherein the pharmaceutically acceptable excipient contained in the particles is crystalline.

151-152. (Canceled)

- 153. (Currently Amended) The method of Claim 140, wherein the particles comprise about 250 micrograms to about 5 milligrams of epinephrine. and are administered in a single inhalation.
- 154. (Canceled)
- 155. (Canceled)
- 156. (Previously Presented) The method of Claim 140, wherein a first portion of the particles is deposited in the airways of the respiratory system and a second portion of the particles is deposited to the alveoli region of the lungs.

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- 157. (Previously Presented) The method of Claim 140, wherein administering an effective amount of particles includes delivering a portion of the particles to the alveoli region of the lungs.
- 158. (Previously Presented) The method of Claim 140, wherein administering an effective amount of particles includes delivering a portion of the particles to the upper airways.
- 159. (Previously Presented) The method of Claim 140, wherein the epinephrine is released from the particles and acts systemically.
- 160. (Previously Presented) The method of Claim 140, wherein the epinephrine is released from the particles and acts locally.
- 161. (Previously Presented) The method of Claim 140, wherein the patient in need of epinephrine is suffering from anaphylaxis.
- 162. (Previously Presented) The method of Claim 140, wherein the patient in need of epinephrine exhibits at least one of the conditions selected from the group consisting of bronchoconstriction, bronchospasm, airway constriction, and edema.
- 163. (Previously Presented) The method of Claim 140, wherein the coefficient of variation for the maximum epinephrine concentration, C<sub>MAX</sub>, in the patient's blood plasma of a dose of epinephrine is lower than for a non-intravenous injection of the same dose of epinephrine.
- 164. (Previously Presented) The method of Claim 163, wherein the non-intravenous injection is selected from the group consisting of a subcutaneous injection, an intramuscular injection, and an auto-injection.

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165. (Previously Presented) The method of Claim 140, wherein the coefficient of variation for the time for maximum epinephrine concentration, T<sub>MAX</sub>, in the patient's blood plasma of a dose of epinephrine is lower than for a non-intravenous injection of the same dose of epinephrine.

- 166. (Previously Presented) The method of Claim 165, wherein the non-intravenous injection is selected from the group consisting of a subcutaneous injection, an intramuscular injection, and an auto-injection.
- 167. (Previously Presented) The method of Claim 140, wherein the average time for maximum epinephrine concentration, T<sub>MAX</sub>, in the patient's blood plasma of a dose of epinephrine is lower than for a non-intravenous injection of the same dose of epinephrine.
- 168. (Previously Presented) The method of Claim 165, wherein the non-intravenous injection is selected from the group consisting of a subcutaneous injection, an intramuscular injection, and an auto-injection.
- 169. (Previously Presented) The method of Claim 140, wherein the median time to maximum epinephrine concentration, T<sub>MAX</sub>, in the patient's blood plasma is less than about 5 minutes.
- 170. (Previously Presented) The method of Claim 140, wherein the resulting epinephrine C<sub>MAX</sub> in the patient's blood plasma is about 2 to about 3 times greater than epinephrine C<sub>MAX</sub> in the patient's blood plasma provided by administration of a liquid-based aerosol.
- 171. (Previously Presented) The method of Claim 140, wherein the epinephrine is released from the particles in a sustained manner.

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- 172. (Previously Presented) Particles for delivery of epinephrine to the respiratory system, the particles comprising:
  - (a) about 11 to about 21 weight percent epinephrine bitartrate;
  - (b) about 62 to about 82 weight percent leucine; and
  - (c) about 7 to about 17 weight percent sodium tartrate.
- 173. (Currently Amended) A method for treating a patient in need of epinephrine, the method comprising:

administering an effective amount of particles to the respiratory system of a patient using a dry powder inhaler, the particles comprising:

- (a) about 11 to about 21 weight percent epinephrine bitartrate;
- (b) about 62 to about 82 weight percent leucine; and
- (c) about 7 to about 17 weight percent sodium tartrate.